

Name : _____

Expand: Algebraic Identities

MS3

Expand each expression using algebraic identities.

1) $\left(\frac{m}{8} + 3n\right)\left(\frac{m}{8} + 5n\right)$

2) $\left(d + \frac{6}{5}\right)\left(d - \frac{6}{5}\right)$

3) $(3.7r - 2)^2$

5) $(c - 1)(c + 1)$

7) $(6g - 1.7h)^2$

9) $\left(x - y + \frac{z}{2}\right)^2$

10) $\left(\frac{a}{6} + b\right)^2$

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